

2024

COMPUTER SCIENCE — HONOURS — PRACTICAL

Paper : CC-3P

(Data Structure)

Full Marks : 30

SET - 3

Marks Distribution :

| | | |
|---------------------|---|----|
| Algorithm | : | 05 |
| Source Code | : | 10 |
| Output | : | 05 |
| Laboratory Notebook | : | 04 |
| Viva voce | : | 06 |

Answer *any one* question.

1. Write a C Program to reverse the elements in a 1-dimensional integer array.
2. Write a C Program to find postfix expression for a given infix expression.
3. Write a C Program to implement a circular queue with insert, delete and display functions.
4. Write a C Program to create a Binary Tree and perform pre-order traversal.

(2)

B(2nd Sm.)-Computer Sc.-H/Pr./CC-3P/CBCS/Set-3

5. Write a C Program to sort a given set of integers using Insertion Sort to display the elements in ascending order.

 6. Write a C Program to find a number in an array using Binary Search.

 7. Write a C Program to implement Merge Sort on an array of integers to display the elements in ascending order.

 8. Write a C Program to create a doubly-linked list and perform deletion of a node from any position.
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